

CLAIMS

1. Gas burner (1; 101) for cookers, of the type fitted to a cooking
hob (2), comprising a central body (3), having a first ring of
flames (4), and at least one external body (107; 7, 8), fluidly
5 separated from said central body and substantially concentric
with it, having at least one second ring of flames (9, 10; 9a, 9b,
10a, 10b), as well as means (5, 6, 29, 28, 33, 36; 11, 12, 25, 27, 32,
13, 14, 24, 26, 34, 35) for separately feeding the mixture of
primary air and gas to said central body and to said at least one
10 external body, characterised in that said means for feeding the
external body comprise at least one horizontal mixing chamber
(11, 12, 25; 13, 14, 24) with a radial Venturi effect.
2. Burner according to claim 1, characterised in that it comprises
one or more inlets (30) for the primary air located above the
15 cooking hob (2), and means of fluid connection of said one or
more primary air inlets with said means for separately feeding
the mixture of primary air and gas to said central body and to
said at least one external body.
3. Burner according to claim 1 or 2, characterised in that said
20 means of fluid connection define a single circuit supplying
primary air to said means for separately feeding the mixture of
primary air and gas.
4. Burner according to claim 1, 2 or 3, wherein said means for
feeding said central body comprise a horizontal mixing
25 chamber (5, 6, 29) with a radial Venturi effect.
5. Burner according to claim 1 or 4, wherein said horizontal mixing
chamber with a radial Venturi effect of said means for feeding
said at least one external body and/or of said means for
feeding the central body are obtained in said at least one

external body and/or in said central body.

- 5 6. Burner according to any one of the previous claims, characterised in that said means for feeding said at least one external body comprise two or more horizontal mixing chambers (11, 12, 25; 13, 14, 24) with a radial Venturi effect.
7. Burner according to claim 6, characterised in that it comprises two or more external circumferential bodies (7, 8), fluidly separated, each one of which comprises a horizontal mixing chamber (11, 12, 25; 13, 14, 24) with a radial Venturi effect.
- 10 8. Burner according to any one of the previous claims, characterised in that said at least one external body comprises two concentric rings of flames (9a, 9b; 10a, 10b), one placed externally (9a, 9b), the other internally (10a, 10b) in front of the ring of flames (4) of said central body.
- 15 9. Burner according to any one of the previous claims, characterised in that it comprises a top covering element (19) of said at least one external body, the upper wall (24; 25) of said at least one horizontal mixing chamber with a radial Venturi effect of the means for feeding said at least one external body coinciding with a lower wall of said covering element.
- 20 10. Burner according to any one of the previous claims, characterised in that it comprises a top covering element (18) of said central body, the upper wall (29) of said at least one horizontal mixing chamber with a radial Venturi effect of the means for feeding the central body coinciding with a lower wall of said covering element.
- 25 11. Burner according to any one of the previous claims, wherein said means for separately feeding the mixture of primary air and gas to said central body and to said at least one external body

are respectively actuated by separate taps.

12. Burner according to any one of the previous claims, characterised in that the internal profile of said at least one external body presents, in plan, one or more cavities.

5 13. Burner according to any one of the previous claims, characterised in that said at least one external body (107; 7, 8) and said central body (3) are made in a single piece.